

PARALLEL SESSION PRESENTATION SCHEDULE
THE 6TH INTERNATIONAL CONFERENCE ON AUTOMOTIVE INNOVATION & GREEN ENERGY VEHICLE 2024
(AiGEV 2024)

17th September 2024 (Tuesday)
Hall Irama 7, Level M
The Everly Hotel, Putrajaya, Malaysia

Session 1 (Physical)
2.00pm – 3.15pm

Category: Automotive Engineering
Chairperson: Assoc. Prof. Dr. Januar Parlaungan Siregar

PAPER ID	TITLE
P30	Monte carlo hyper-heuristics optimisation for energy management strategy (ems) of hybrid electric vehicle
P03	Rapid Transit Train Tapered Roller Bearing Failure Evaluation based on Grease Leakage Incident
P06	Evaluation of Light Duty Truck Electrification in Klang Valley Malaysia
P18	Performance and Vibration Analysis of FAI2O3-POE in Hybrid Electric Vehicle Air-Conditioning System
P23	Integrating Electric Vehicle, PV, and Cryptocurrency Mining: A Real-Time Energy Management Model for Sustainable Urban Energy Systems
P24	Optimizing Rear Strip Spoiler Design for Perodua Myvi's Aerodynamics
P28	Modelling and verification of 22-DOF four-axle vehicle dynamics model
P33	Analysis of battery thermal management system using computational fluid dynamics

Session 2 (Physical)
3.15pm – 4.30pm

Category: Renewable Energy
Chairperson : Assoc. Prof. Dr. Sudhakar Kumarasamy

PAPER ID	TITLE
P13	The Use of Green Energy Fuel of Used Cooking Oil from Malaysia to Reduce the Pollution of a CI Engine
P14	Maximizing Solar Efficiency: A First Law Analysis of Hybrid Cooling Techniques for Photovoltaic Modules
P21	Performance Analysis of Tubular Solar Still With Energy Storage Material Encapsulated in Repurposed Aluminum Soda Cans
P22	Assessment of Explicit Water Depth in the Basin for Augmented Performance of Solar Stills in South Indian Climatic Conditions
P25	Rheothermal performance analyses of CNP/GNP-Therminol 55 Nanofluid for Heat Transfer
P31	Sustainable Energy Solutions: Assessing Floating Solar Energy Generation in UK and Malaysian Lakes
P32	Evaluating Hydrogen Fuel Cell Efficiency for Residential Applications: The Impact of Water Source and Quality on Hydrogen Production
P34	Plate heat exchanger simulation using phase change materials for thermal energy storage systems

Session 1 (Online)
2.00pm – 3.15pm

Category : Automotive Engineering
Chairperson: Ir. Ts. Dr. Muhammad Yusri Bin Ismail

PAPER ID	TITLE
P07	Accelerating electric bus adoption in Indonesia: a mini review
P09	Design of electric carrying tractors using triz method
P10	Verification and Validation Framework for Scenario-Based Safety Testing of Autonomous Vehicle using Digital-Twin Based Testing
P19	Analytical Convert conventional Car to Electric Vehicle By Electrical Motor BLDC 5 KW
P20	Development of Electric Motorcycle with Retrofit Method
P26	Rider's Head Injury Risks in Relation to Motorcycle Designs in Side Crashes with Car
P27	Evaluation of Combustion Dynamics and Emission Control in Turbocharged DI Engines Using Ethanol-Gasoline Blends

Session 2 (Online)
3.15pm – 4.30pm

Category : Renewable Energy and Mechanical Engineering
Chairperson: Ir. Ts. Dr. Muhammad Yusri Bin Ismail

PAPER ID	TITLE
P04	Performance Evaluation of Heat Pipe and Phase Change Material for Thermal Management on Electric Vehicle Battery Temperature
P05	Energy Management Using Artificial Intelligence on A Solar Cell System during Cloudy Weather on The Solar Powered Water Bike
P11	Development of Product Data Exchange System by Interchange Design Module for Pharmaceutical Packaging Machines
P15	Effects of adding different concentrations of TiO ₂ nanoparticles to POE lubricants on automotive air conditioning performance
P29	Sustainable Solar Drying for Groundnuts: Efficiency and Performance Analysis
P35	Design and analysis of 3D printed models for strength and durability in biomechanics applications
P36	Power Quality Improvement of Grid Connected Renewable Energy systems